

CLASS TITLE: PRINCIPAL REACTOR OPERATOR

Class Code: 02799400
Pay Grade: 28A
EO: C

CLASS DEFINITION:

GENERAL STATEMENT OF DUTIES: To assist in coordinating the activities of a staff of reactor operators, and to participate in the work of same; to assist in the preparation and maintenance of the operations schedule to insure that the reactor is properly covered at all times; and to do related work as required.

SUPERVISION RECEIVED: Works under the general supervision of a superior from whom are received general and specific work assignments; work is reviewed upon completion to insure conformance with approved methods and procedures.

SUPERVISION EXERCISED: Plans, schedules and reviews the work of the operations staff.

ILLUSTRATIVE EXAMPLES OF WORK PERFORMED:

To assist in coordinating the activities of a staff of reactor operators, and to participate in the work of same; to assist in the preparation and maintenance of the operations schedule to insure that the reactor is properly covered at all times.

To insure that proper start-up, operating and shutdown procedures are followed, and that all operating logs, data sheets, forms and records are promptly and accurately completed.

To intervene in the operations process during unusual or emergency situations.

To serve as an operator of the reactor.

To serve as duty technician to monitor safety and security systems at the reactor.

To assist in the implementation of a health physics program.

To perform routine area monitoring for possible health hazards.

To issue, collect and maintain records of personal monitoring devices such as film badges and pocket dosimeter.

To inspect packaging of radioactive materials for shipment, and to monitor the moving and general handling within the center.

To prepare and maintain accurate records and reports to comply with federal licensing conditions and regulations.

To perform calibration of radiation survey and monitoring instruments.

To do related work as required.

REQUIRED QUALIFICATIONS FOR APPOINTMENT:

KNOWLEDGES, SKILLS AND CAPACITIES: A thorough knowledge of the principles, practices, methods and techniques required for the operation of the Rhode Island Nuclear Science Center reactor and the ability to apply such knowledge, principles, practices, methods and techniques; a working knowledge of federal and state regulations regarding the operation of a reactor; a working knowledge of, and the ability to apply, elementary reactor physics and nuclear engineering and electronics; a working knowledge of the principles, practices and techniques of health physics as applied to the implementation of various radiation monitoring equipment; the ability to plan, schedule, review and participate in the work of a reactor operation staff; the ability to make immediate decisions and to take proper action to cope with a situation which might arise in operation the reactor; and related capacities and abilities.

EDUCATION AND EXPERIENCE:

Education: Such as may have been gained through: graduation from senior high school and the completion of training at a facility which will permit the United States Nuclear Regulatory Commission to issue a reactor operator's license for the operation of the operation of the Rhode Island Nuclear Science Center Reactor; and

Experience: Such as may have been gained through: full-time employment as a Senior Reactor Operator at the Rhode Island Nuclear Science Center; or full-time employment as a supervising reactor operator in another facility which has involved extensive experience in an operations specialty.

Or, any combination of education and experience that shall be substantially equivalent to the above education and experience.

SPECIAL REQUIREMENT: Within six months from the date of appointment, must possess a senior reactor operator's license issued by the U.S. Nuclear Regulatory Commission for operation of the Rhode Island Reactor, and to maintain such licensure as a condition of employment.

Class Revised: December 22, 1985

Editorial Review: 3/15/03